Supplemental Material Table S1. Sequences of primers used to amplify open reading frames of *T. castaneum* cys-loop LGIC subunits. Forward primers are on the top of each pair and reverse primers are on the bottom.

Subunit	1st PCR reaction	2nd PCR reaction
Tcasα1	atggagctgttgctcgcc +	cctttcatggttgattttgg +
	ttacaactcctccggtac	tcaacaacgccattttcttc
Tcasα2	atgatgtggtggtggctg +	ttcggactgtttttgtcgg +
	ttagaaatctaattcaggtaga	gttgttgggctactgacg
Tcasα3	atgaagagcttggtgggg +	tgtggatagttttagtgctc +
	taaagaactggcaatatggg	gcagtggtcgatgcaatc
Tcasα4	atgcctccttctgccgc +	gagacgctgagagcctg +
	ctactgtggaggagggc	gaacaaccgtagtggtgg
Tcasα5	ttgatagttgtaatcctgttg +	gagaatgtcaaggggacg +
	agaggccgcgtcgtttg	gacttctgcataatatcgtc
Tcasα6	atggtccggagcgagca +	tggcgctgctggccac +
	ctactgcacgattatgtgc	gtggcgatgatcgtgaac
Tcasα7	atggacagtggcatgcag +	tgtcaattctactgcggtc +
	acgatacgatgatgtgagg	ccgagaacagcactgcta
Tcasα8	tttaataaaattagtttgtttcac +	catgctgtttaaatccactg +
	gtggggatgtgtgtgcg	ttcgtgagaggaatttcgc
Tcasα9	atgggcattctaaattattttc +	cctttcagctgcgtcttg +
	taaggggtgaacccgataa	aacaatcacgtagacgagg
Tcasα10	atggcaaacatactgaggc +	tggtgtgcggcttttgca +
	tcacacggaataaactatgg	aaagtgatccgatctatggc
Tcasα11	tgtacttgttaaagtttacatg +	gtttaagtttgttgttggttg +
	tacaacctcaaagcgccc	atctactggaatcctcgtg
Tcasβ1	atgtggacctggaccgc +	acagcggtcttcatctcg +
	tatttgccgcggtaaatttc	attcgaagatgtgaggagc
Tcas_RDL	gggtggtgtggccagc +	gtgctgctggccctcg +
	acttatcctcctccagaag	tagatcgtccgctacaaca
Tcas_GRD	gaagcggtttcaactttgg +	gaccgtttcgctgctaac +
	tctcttggtcctcgacag	tactctagaagctcgatcaa
Tcas_LCCH3	atgatcacgattatctacatc +	catttccattgaggtatattc +
	aacagccagtacccagca	agtaaccgggaaaataatcc
Tcas_GluCl	gtatacacacaccctcatc +	gatagtgcacatcatccac +
	ttacgactcttcggcctc	tatattacattgaagagtgcg
Tcas_HisCl1	gcctccgttttcgttagg +	tgggtggttccgattacc +
	tactcagcgaacattatcca	aggacagtgaagagcaaag
Tcas_HisCl2	gtattctgtgttttactggc +	ctgtgtatgatctcaaatgta +
	aacgtcgtccagtacacaa	actggtcaatacagagagc

Tcas_pHCl	`atgggtcagccttggatg +`	`ggctgctatacttctagtg +`	
	`ttgtgagtcagagtgagtg`	`aactgctgtagtgatagaag`	
Tcas_8916	`ttcgggccggttttttgtc +`	`ttgttcggaagctttgagg +`	
	`cagtgactaagcgagctc`	`cttcgtatccgcccattta`	
Tcas_12344	`tgtgggttgtggtgacag +`	`aagtacgacctcctactca +`	
	`acaacaatgtcgcacttcta`	`gtccagtaaatcgcacaga`	
Tcas_6927	`atgcagaaactcgttctc +`	`atgtgcacaagggcccag +`	
	`acaacatagacgaaagacca`	`tccagttggcgacctcg`	
Tcas_7589	`tgctaaagtggcggcttg +`	`ttgcctcgtttatgactgg +`	
	`gcgggaacacgattcttg`	`tttcctgtcgatccagttg`	
Tcas_11340	`gactagtgcagttctagtc +`	`agtgattgaaggagaagcc +`	
	`tatacaaacacccagtagag`	`tgagtgggaagacaattcg`	